MULTIMEDIA UNIVERSITY

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FINAL EXAMINATION

TRIMESTER 1, 2016/2017

BIM1014 – INFORMATION SYSTEMS AND MULTIMEDIA
(All sections / Groups)

19 OCTOBER 2016
2.30 p.m. - 4.30 p.m.
(2 Hours)

INSTRUCTIONS TO STUDENTS

1. This question paper consists of 2 pages excluding cover page.

2. There is 5 questions and answer ALL questions.

3. Please write all your answers in the Answer Booklet provided.

QUESTION 1

The global market has expanded. The people and companies can get products and services from around the world, instead of around the corner and across town. These opportunities, however, introduce a number of obstacles and issues. Explain 5 obstacles with example of the global challenges in information systems. (20 Marks)

QUESTION 2

a. Explain 2 potential issues that can arise if an organization is not careful in selecting a reputable service organization to recycle or dispose of the outdated hardware devices.
(10 Marks)

b. Name 3 cloud storage apps that are available in the market now. (6 Marks)

c. Describe 2 advantages of cloud storage compared to the permanent hard-disk storage available in the computer. (4 Marks)

QUESTION 3

a. Explain 3 risks of transmitting data over an unsecured Wi-Fi network. (6 Marks)

b. Name 2 steps to secure a Wi-Fi Protected Access network. (4 Marks)

c. Describe 2 possible social concerns with example of the use of geolocation technologies? (10 Marks)

QUESTION 4

a. State "True" or "False" for the following statement.
   i. Rejected e-mail automatically goes to the junk e-mail of your e-mail service. (2 Marks)
   ii. While a virus can completely halt the operation of a computer system, it is incapable of destroying programs or data. (2 Marks)
   iii. Smartphones such as the iPhone and Google's Android phone can run applications are resistant to malware. (2 Marks)
   iv. Copyright laws protect processes, machines, and compositions of matter. (2 Marks)
   v. Tracking software for laptops is not yet available. (2 Marks)
   vi. To protect your PC and prevent it from spreading malware to your co-workers, some antivirus software scans and cleans both incoming and outgoing e-mail messages. (2 Marks)

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b. Discuss 2 company policies that can be set up to prevent computer waste and mistakes.   (8 Marks)
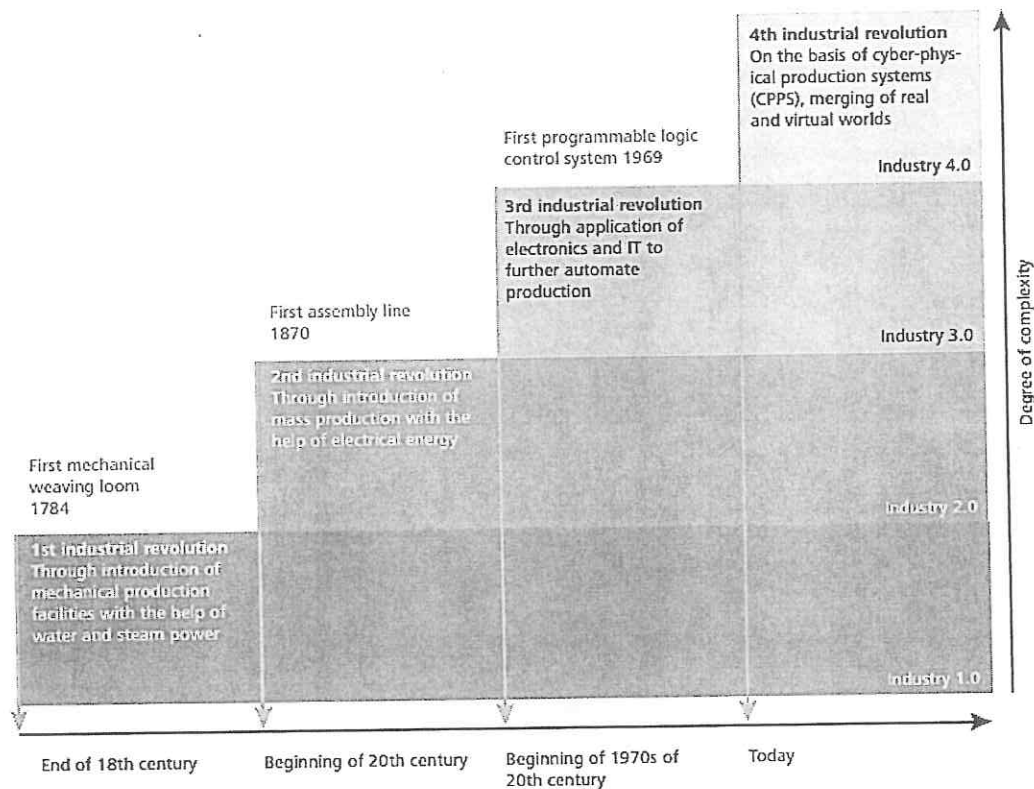
QUESTION 5

Figure 1 Definition of Industry 4.0

Figure 1 shows the definition of Industry 4.0. It seems that the industrial revolution happened since the end of 18ᵗʰ century.

a. Explain 2 massive differences between the information systems used in Industry 3.0 and Industry 4.0.   (10 Marks)

b. Explain 2 information systems which could be used to leverage the development of industry 4.0.   (10 Marks)

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